

U.S. Patent Application Serial No. **10/565,784**
Amendment filed April 30, 2007
Reply to OA dated January 31, 2007

IN THE CLAIMS:

Please amend Claims 1, 2, 4, 6, 11, 12 and 15, as shown.

1. (Currently Amended): A junction block comprising:

an inner cover;

connector blocks and a power block disposed along outside edges of the inner cover to form
a circumferential wall of the junction box and at least partially define a space; and

busbars and a wiring module disposed being piled up within a said space surrounded by the
connector blocks and the power block,

wherein terminals of the connector blocks, terminals of the power block and terminals of the busbars
are connected to the wiring module.

2. (Currently Amended): The A junction block according to claim 1, comprising:

an inner cover;

connector blocks and a power block disposed outside the inner cover; and

busbars and a wiring module disposed being piled up within a space surrounded by the
connector blocks and the power block, wherein

terminals of the connector blocks, terminals of the power block and terminals of the busbars
are connected to the wiring module, and

the wiring module consists of a random wiring module and a cross wiring module.

3. (Original): The junction block according to claim 2, wherein the terminals are connected

U.S. Patent Application Serial No. 10/565,784
Amendment filed April 30, 2007
Reply to OA dated January 31, 2007

to ends of the wiring modules and part of the terminals of the busbars are connected to a middle part of the random wiring module situated as a lower layer in the space.

4. (Currently Amended): ~~The A junction block as claimed in claim 1, comprising:~~
an inner cover;
connector blocks and a power block disposed outside the inner cover; and
busbars and a wiring module disposed being piled up within a space surrounded by the
connector blocks and the power block, wherein
terminals of the connector blocks, terminals of the power block and terminals of the busbars
are connected to the wiring module, and
the terminals of the connector blocks and/or the terminals of the power block are arranged in a plurality of steps, wherein the terminals arranged in a lower step are connected to a narrow lower wiring module while the terminals arranged in an upper step are connected to a wide upper wiring module.

5. (Previously Presented): The junction block as claimed in claim 1, wherein the terminals of the connector blocks and/or the terminals of the power block and/or the terminals of the busbars are pressure welding terminals.

6. (Currently Amended): ~~The A junction block as claimed in claim 1, comprising:~~
an inner cover;

U.S. Patent Application Serial No. **10/565,784**
Amendment filed April 30, 2007
Reply to OA dated January 31, 2007

connector blocks and a power block disposed outside the inner cover; and
busbars and a wiring module disposed being piled up within a space surrounded by the
connector blocks and the power block, wherein
terminals of the connector blocks, terminals of the power block and terminals of the busbars
are connected to the wiring module, and
the power block includes fuses outside and a relay inside.

7. (Previously Presented): The junction block as claimed in claim 1, wherein an electronic unit is mounted on the back of the inner cover and connected to terminals arranged on the back of the busbars.

8. (Previously Presented): The junction block as claimed in claim 1, wherein the inner cover, the connector blocks and the power block are slidingly combined.

9. (Original): A junction block comprising:
an inner cover; and
a power block and connector blocks combined with the inner cover, wherein components such as circuit boards are disposed and connected within a space surrounded by the power block and the connector blocks, wherein the power block and the connector blocks form the outside of the junction block.

U.S. Patent Application Serial No. 10/565,784
Amendment filed April 30, 2007
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10. (Original): The junction block according to claim 9, wherein the combination of the power block and the connector blocks with the inner cover is carried out by engaging a slide-engaging part with a guide part in a direction crossing the inner cover at right angles.

11. (Currently Amended): The A junction block according to claim 10, comprising:
an inner cover; and
a power block and connector blocks combined with the inner cover, wherein
components such as circuit boards are disposed and connected within a space surrounded by
the power block and the connector blocks,
the power block and the connector blocks form the outside of the junction block,
the combination of the power block and the connector blocks with the inner cover is carried
out by engaging a slide-engaging part with a guide part in a direction crossing the inner cover at right
angles, and

one of the connector blocks is combined with the inner cover, while the other connector block is combined with the power block.

12. (Currently Amended): The junction block as claimed in claim 9, wherein the slide-engaging part of the connector block or the power block enters into a dead space in the power block or the connector block, respectively.

U.S. Patent Application Serial No. 10/565,784
Amendment filed April 30, 2007
Reply to OA dated January 31, 2007

13. (Original): The junction block according to claim 12, wherein the dead space is within a connector.

14. (Previously Presented): The junction block according to claim 12, wherein the slide-engaging part that enters into the dead space consists of a rib and an outside wall that covers an end and the front of the rib.

15. (Currently Amended): The junction block as claimed in claim 9, ~~wherein the combination of further comprising engaging parts for engaging the power block and the connector blocks with the inner cover and a mount on the inner cover, and such engaging is carried out in the vicinity of a the~~ mount of the inner cover.